

Standard Erosion and Sediment Control Measures

The techniques and methods contained and prescribed in the latest addition of the *Association of Bay Area Governments Manual of Standards for Erosion and Sediment control Plans*, should be used along with the following additional guidance and requirements:

Gravel Construction Entrance. A gravel construction entrance is generally a required where vehicle traffic is anticipated off of existing paved or graveled roads. If there is more than one vehicle access point, a gravel construction entrance should be installed at entrance. The responsibility for field design to meet site conditions, and maintenance of the construction entrances remains with the property owner or construction contractor. The owner/contractor shall remain responsible for the clean up of any mud or dirt that is tracked onto streets or paved areas, even with the installation of gravel construction entrances.

Vehicles or equipment sell not enter a property adjacent to a creek, watercourse, or storm water facility unless adequate measures are installed to prevent physical erosion into the water.

Catch Basin Protection A filter system shall be used on catch basins (drop outlets) in public and private streets and parking areas as a means of sediment control. Alternate methods will require the approval of the City.

Sediment Filters/Barriers. For all projects, a silt fence or straw wattle dike shall be installed along the down slope edge of the disturbed area, prior to the commencement of grading. The sediment filter structures will be located so that all runoff from the construction site is filtered, or passes through a sediment detention basin prior to crossing a property line, entering a creek or entering the City storm drain system. sediment filter structures are to be inspected regularly by City Inspection staff during inspections scheduled by the Contractor or Engineer of record, and sediment removed when the depth is no more than one half the structure. Silt fences and straw wattles shall be installed according to the standard references cited.

Straw wattles can be used as dikes to stabilize temporary channel flow lines or as a perimeter filter barrier. Straw wattles must be installed in a trench, staked and backfilled if they are to be effective in reducing flow velocity and filtering sediment from runoff.

Straw wattles should not remain in place more than 12 months after installation unless it can be determined significant deterioration has not occurred. When used as a perimeter filter, sediment should be removed when , material is within 3 inches of the toe of the top of any wattle.

Silt fences should be installed where sediment from sheet flow or rill and gully erosion will enter directly onto adjacent property. When installing, it is important the fabric ,material be anchored into a trench and backfilled.

Maintenance of filter fences is similar to that of straw wattles in that the fabric must be inspected and needed repairs implemented after every storm event. Sediment deposits should be removed when material reaches no more than a depth of one half the fence height.

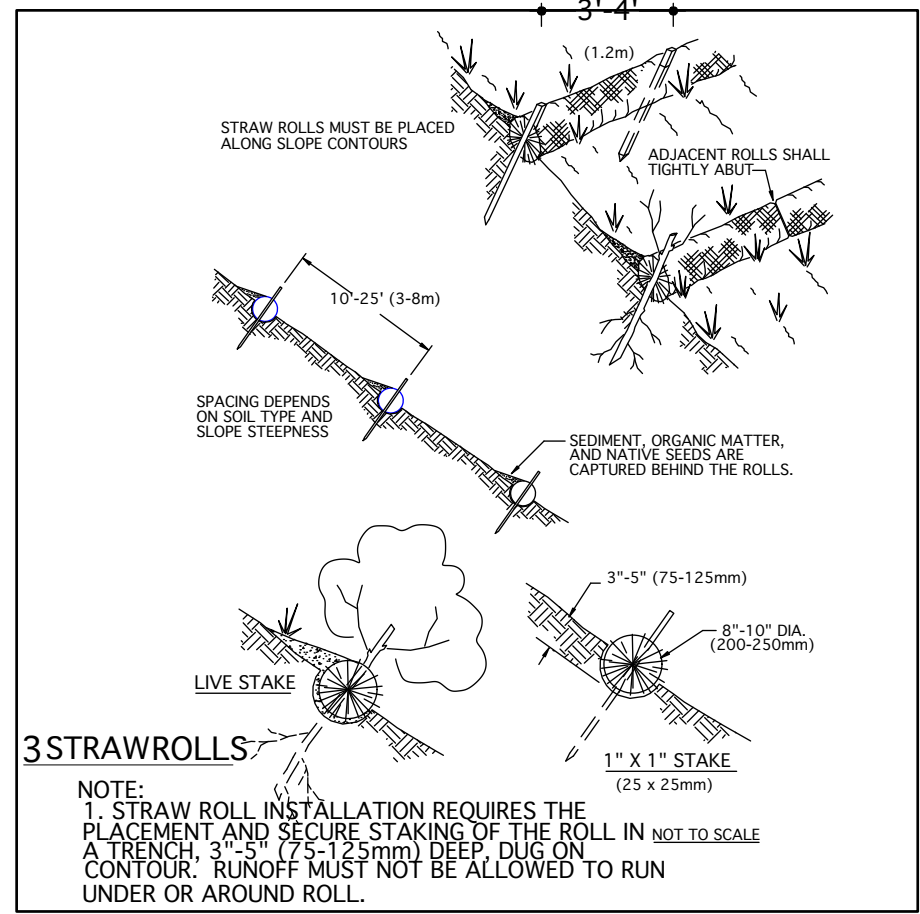
Plastic sheeting Plastic sheeting should generally not be used as an erosion control measure over large areas. Plastic sheeting may be used to protect small, highly erodible areas or to protect temporary stockpiles of material. If plastic sheeting is used, the path of concentrated flow from the plastic must be protected.

Existing Vegetation and Revegetation As far as is practicable, existing vegetation shall be protected and left in place in accordance with the clearing limits shown on the approved Building, Grading, or Public Works and Erosion Control Plans. The exception is where exotic plant materials are to be removed, or fire fuels reduced in accordance with an approved Plan. Work Areas shall be carefully located and marked to reduce potential damage. Where existing vegetation has been removed or the original land contours disturbed, the site shall be revegetated, and the vegetation established, as soon as practicable, but no later than **October 15**.

Slope Protection Hydreseeding alone will normally not be considered satisfactory erosion protection for disturbed slopes steeper than 4V:1H. These areas should be protected using straw and tackifier. The installation of erosion control blankets should be considered for all disturbed slopes steeper than 2.5H:1V and greater than 20 feet in slope length . Installation of straw wattles staked on contour should be considered for all slopes steeper than 4H:1V, with a slope greater than 30 feet. Straw wattles or silt fencing should be installed at the toe of all slopes steeper than 4H:1V, and along (just below) top of bank along all creeks.

Protection Measure Removal

The erosion prevention and sediment control measures shall remain in place and be maintained in good condition until all disturbed soil areas are permanently stabilized by installation and established of landscaping, grass, mulching, or are otherwise covered and protected from erosion.



F.A.R. Calculator

Instructions: Enter the information in the table below. The spreadsheet will calculate the proposed FAR (they area ratio), the 100% max FAR (per the zoning Ordinance), and the 85% max FAR (per the zoning Ordinance). Additionally it will determine whether a FAR Modification is required.

The Net Lot Area does not include any Public Right-of-Way areas. The proposed **TOTAL Net FAR Floor Area** will include the floor area of all stories of all buildings, but may or may not include basement/floor area. For further clarification of these definitions please refer to SBMC Sec. 15.05.

| | |
|---|---------------------------------------|
| ENTER Project Address: | 1762 Calle Cerro |
| Is there a basement or cellar existing or proposed? | No |
| ENTER Proposed TOTAL Net FAR Floor Area (in sq. ft.): | 1,992 |
| ENTER Zone ONLY from drop-down list: | R-3 |
| ENTER Net Lot Area (in sq. ft.): | 24,845 |
| Is the height of existing or proposed buildings 17 feet or greater? | Yes |
| Are existing or proposed buildings two stories or greater? | No |
| The FAR Requirements are: | GUIDELINE** |
| ENTER Average Slope of Lot: | 38.00% |
| Does the height of existing or proposed buildings exceed 25 feet? | No |
| Is the site in the Hillside Design District? | Yes |
| Does the project include 500 or more cu. yds. of grading outside the main building footprint? | No |
| An FAR MOD is not required per SBMC §28.15 | |
| FLOOR AREA RATIO (FAR): | 0.080 |
| Lot Size Range: | >= 20,000 sq. ft. |
| MAX FAR Calculation (in sq. ft.): | 4,430 + (0.013 x lot size in sq. ft.) |
| 100% MAX FAR: | 0.191 |
| 100% MAX FAR (in sq. ft.): | 4,753 |
| 85% of MAX FAR (in sq. ft.): | 4,040 |
| 80% of MAX FAR (in sq. ft.): | 3,802 |
| The 1000 square foot proposed total is 46% of the MAX FAR.* | |

* NOTE: Percentage total is rounded up.

**NOTE: If your project is located on a site with multiple or overlay zones, please contact Planning Staff to confirm whether the FAR limitations are "Regulate" or "Guideline".

Best Management Practices for Construction Activities:

- Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheet flow, swales, area drains, natural drainage courses or wind.
- Stockpiles of earth and other construction related materials must be protected from being transported from the site by forces of wind or water.
- Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills may not be washed into the drainage system.
- Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions must be made to retain concrete wastes on site until they can be disposed of as a solid waste.
- Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
- Sediments and other material may not be traced from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental deposition must be swept up immediately and may not be washed down by rain or other means.
- Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.

NOTE:
Smoke Detectors and Carbon Monoxide detectors to be installed where applicable in accordance with CRC 314 and CRC 315

This Project shall comply with the 2016 California Residential Code (C.R.C.), 2016 C.M.C., 2016 C.P.C., 2016 C.E.C., 2016 California Fire Code, 2016 California Energy Code, The California Green Building Code, 2016 Edition and all City of Santa Barbara Amendments and Ordinances.

NOTE:
Sewer backwater retro-fit valve maybe required and is subject to licensed plumbing contractor's verification.

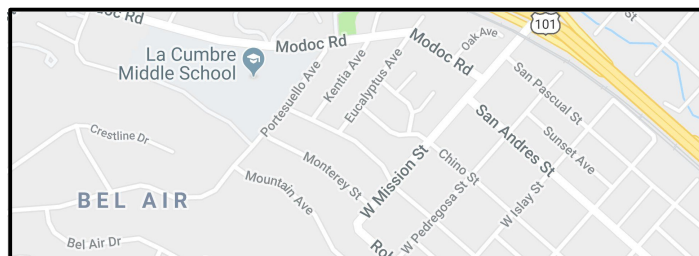
NOTE:
Additions, remodels or renovations of single family home with an existing pool require the suction outlet of the existing pool, spa, or toddler pool to be upgraded so as to be equipped with an approved anti-entrapment cover meeting the current standards of the ASTM or ASME per section 115920 HSC.

| | |
|---|----------------------------|
| LOCATION | |
| 1762 Calle Cerro, Santa Barbara, California 93101 | |
| OWNER | |
| John Durkee 1737 Calle Cerro, Santa Barbara, CA 93101 | |
| LEGAL DESCRIPTION | |
| APN: 041-010-009 | |
| SCOPE OF WORK : | |
| Raise Ceiling In Living Room And Dining Room. Replace North Facing Windows And Doors In Living And Dining Room. Replace and extend fireplace flue to accommodate raised ceiling. Existing Storage Shed to be As-Built Permitted. | |
| BUILDING DESCRIPTION / SQUARE FOOTAGES: | |
| EXISTING BUILDING USE: SFD Parcel size: 0.74 acre approx. 32,209.88 sq.ft. | |
| EXISTING Building | |
| DESCRIPTION | NET sq.ft. GOSS sq.ft. |
| Residence | 1,365 1,440 |
| Garage | 455 480 |
| Total | 1,820 1,920 |
| (E)Deck/ Patio | 600 |
| NEW WORK | |
| New Raised Roof Area and Remodel | 830 |
| As-Built Storage Shed | 172 192 |
| NEW Building | |
| DESCRIPTION | NET sq.ft. GOSS sq.ft. |
| Residence | 1,365 1,440 |
| Garage | 455 480 |
| As-Built Storage Shed | 172 192 |
| Total | 1,992 2,112 |
| Total Open Yard | +/- 24,845 |
| PARKING: (E) 2 covered spaces (2 required) | |
| BUILDING DATA : | |
| OCCUPANCY: R 3 | Lot Slope 38% per City GIS |
| TYPE CONSTRUCTION: V- B | |
| ZONE: RS-6 (SBMC title 30) | |
| No Fire Sprinklers | |
| NOTE: NO Grading Required | |

| | |
|--------------------|------------------------------------|
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| A-0.2 | ENERGY CALCULATIONS |
| A-1.1 | MAIN FLOOR PLAN |
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| E-1.0 | ELECTICAL PLAN |

DO NOT SCALE THESE DRAWINGS.
See Architectural plans for written dimensions.

The General Contractor shall verify and be responsible for all dimensions and existing conditions on the job and shall report any discrepancies to the Architect for resolution prior to commencing with the work in question.



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| | 09/20/2019 |
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SHEET NO.

A-1.1

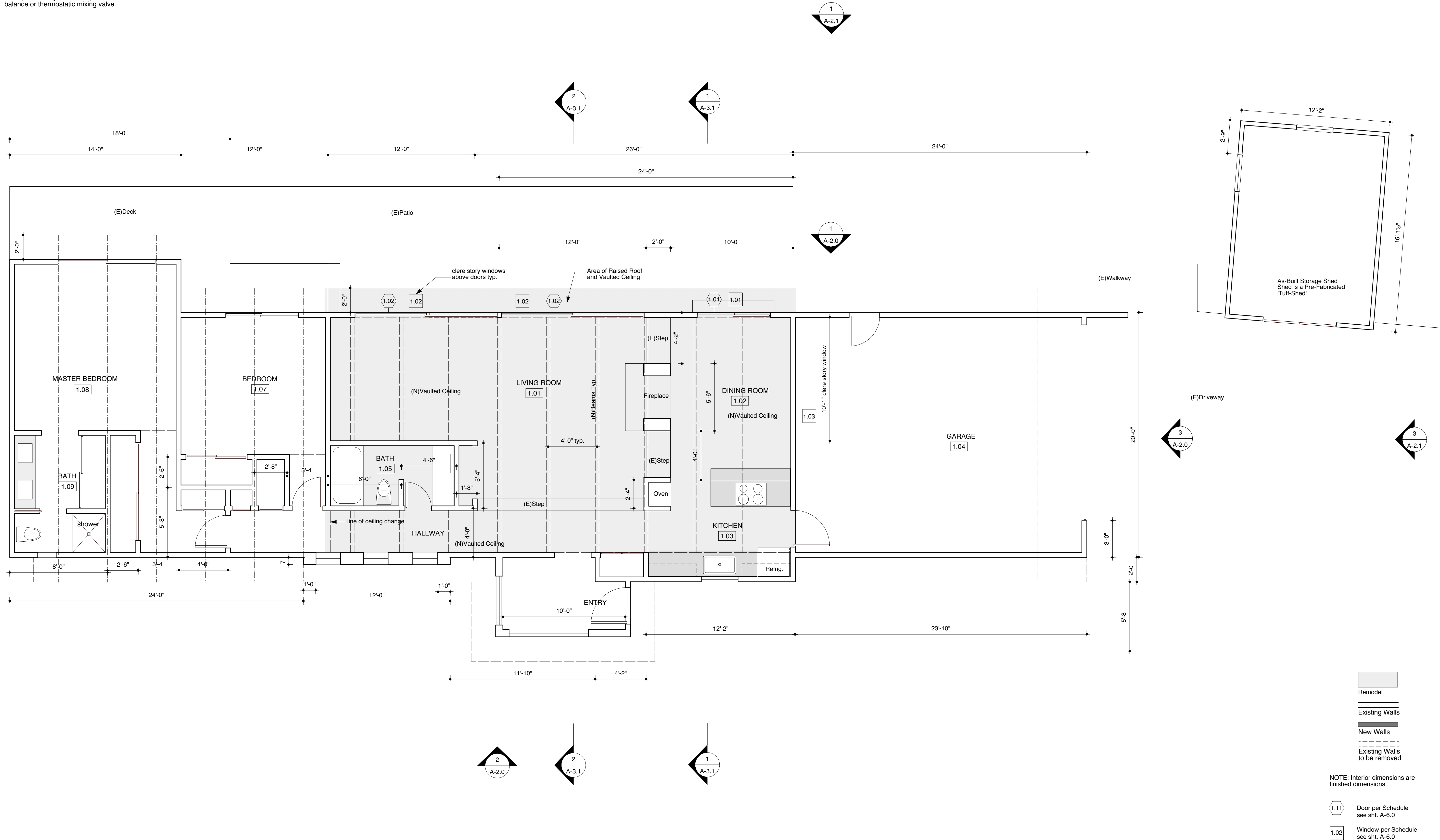
Note: A corrosion-resistant weep screed is required below the stucco a minimum of 4" above grade and 2" above slab.

NOTE: The manufactured wind, shall have a label attached certified by the National Fenestration Rating Council (NFRC) and showing compliance with the energy calculations.

NOTE: All glazing in hazardous locations must be identified by a label (permanent if tempered) as safety glazing

Shower Note: Max temperature of 120° to be provided by the use of pressure balance or thermostatic mixing valve.

NOTE: Water Closet Flush: Water closets, either flush tank or flushometer valve operated, shall have an average consumption of not more than 1.25 gallons of water per flush. Lavatory Faucets shall have a maximum flow rate of 1.2 gpm at 60 psi, Kitchen Faucets: Max 1.8 gpm at 60 psi, Showerheads: Max 2.0 gpm at 80 psi and multiple showerheads serving one shower shall have a combined flow rate of all showerheads of 2.0 gpm at 80 psi. 2016 California Green Building Code Section 4.303.



1 Floor Plan
Scale: 1/4" = 1'-0"

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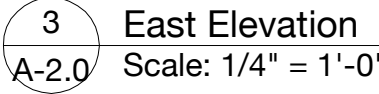
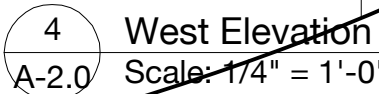
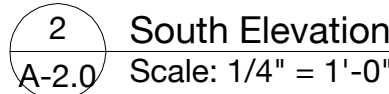
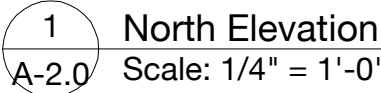
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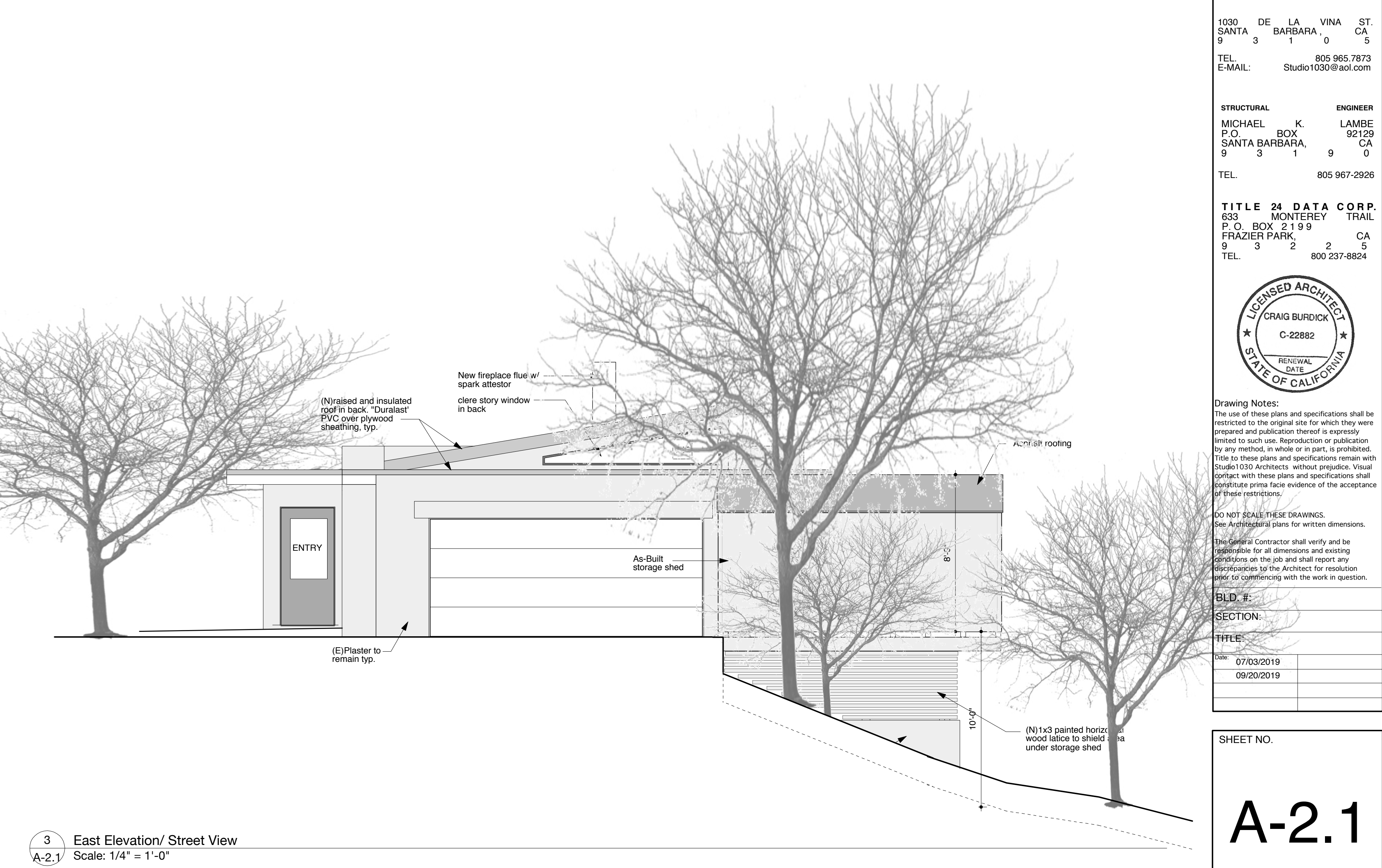
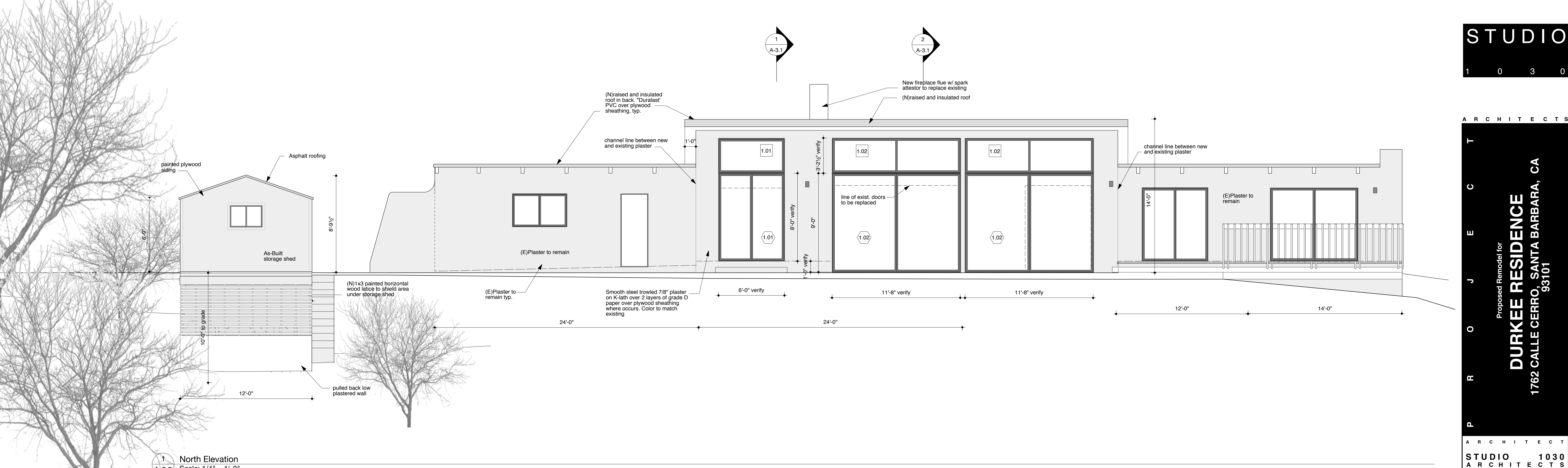
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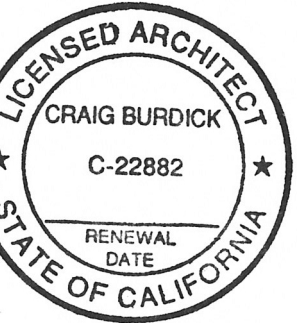
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HEET NO.

A-2.0







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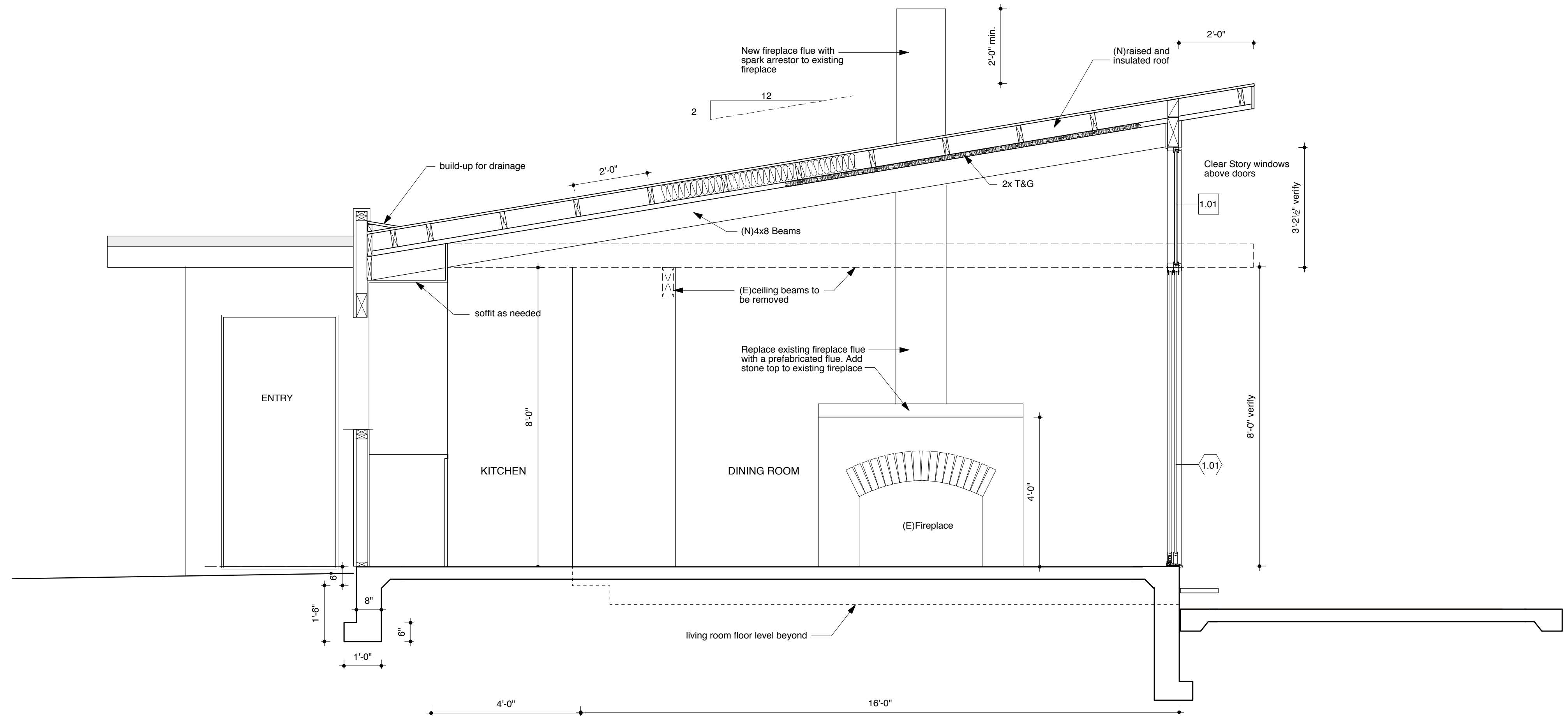
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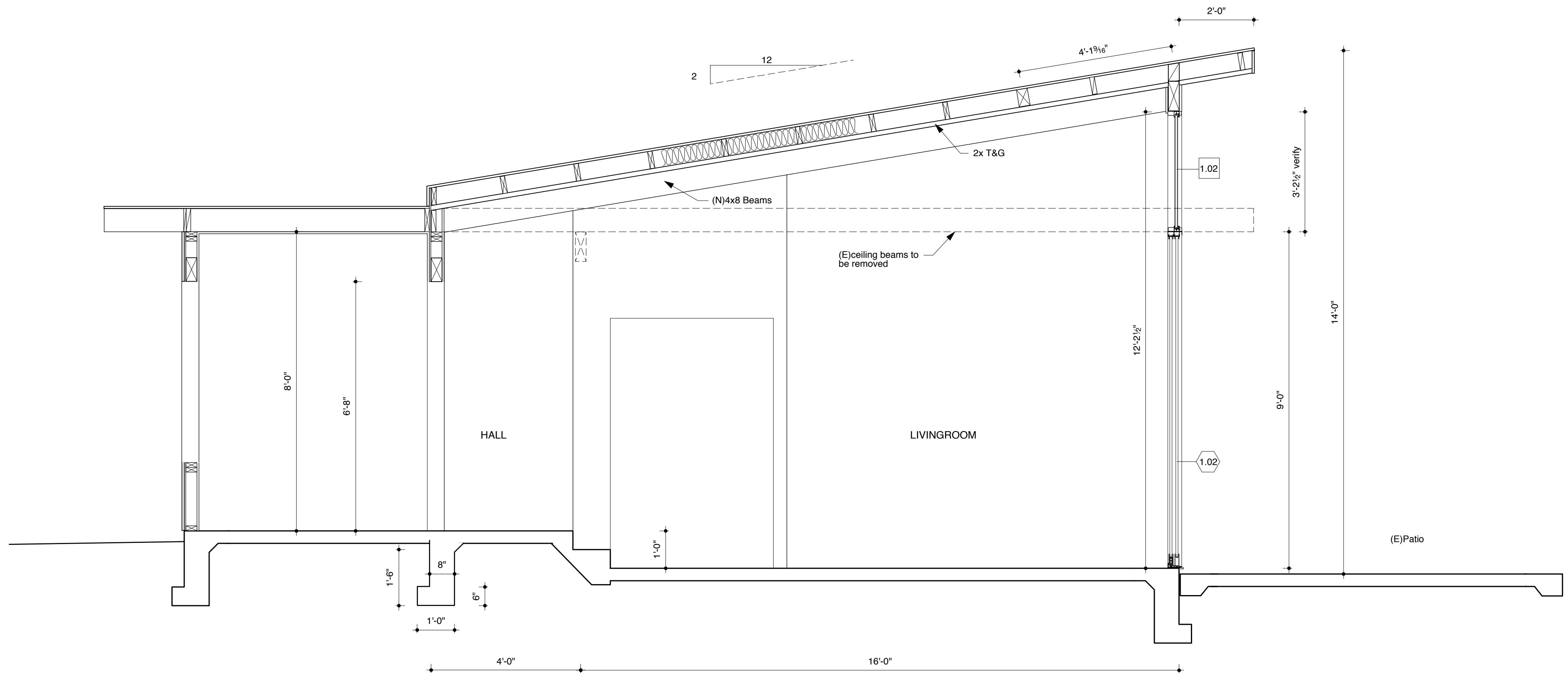
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HEET NO.

A-3.1



1 Kitchen/ Dining Room Section
A-3.1 Scale: 1/2" = 1'-0"



2 Living Room Section
A-3.1 Scale: 1/2" = 1'-0"



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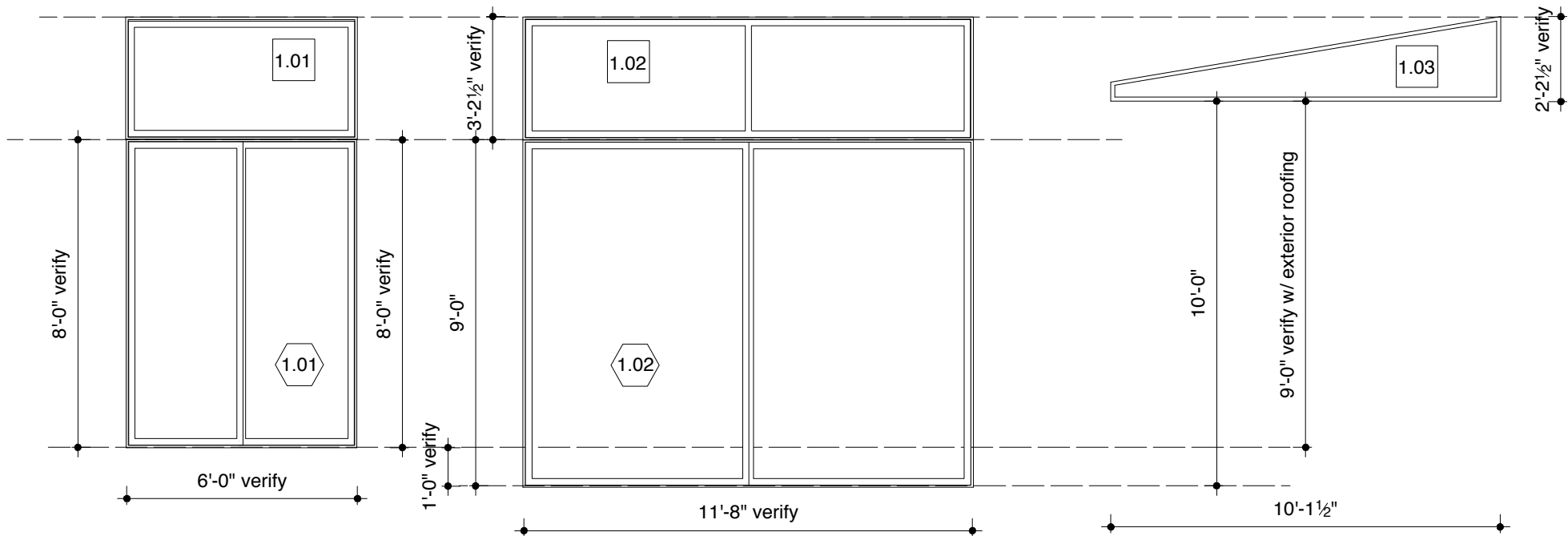
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09/20/2019

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A-6.0

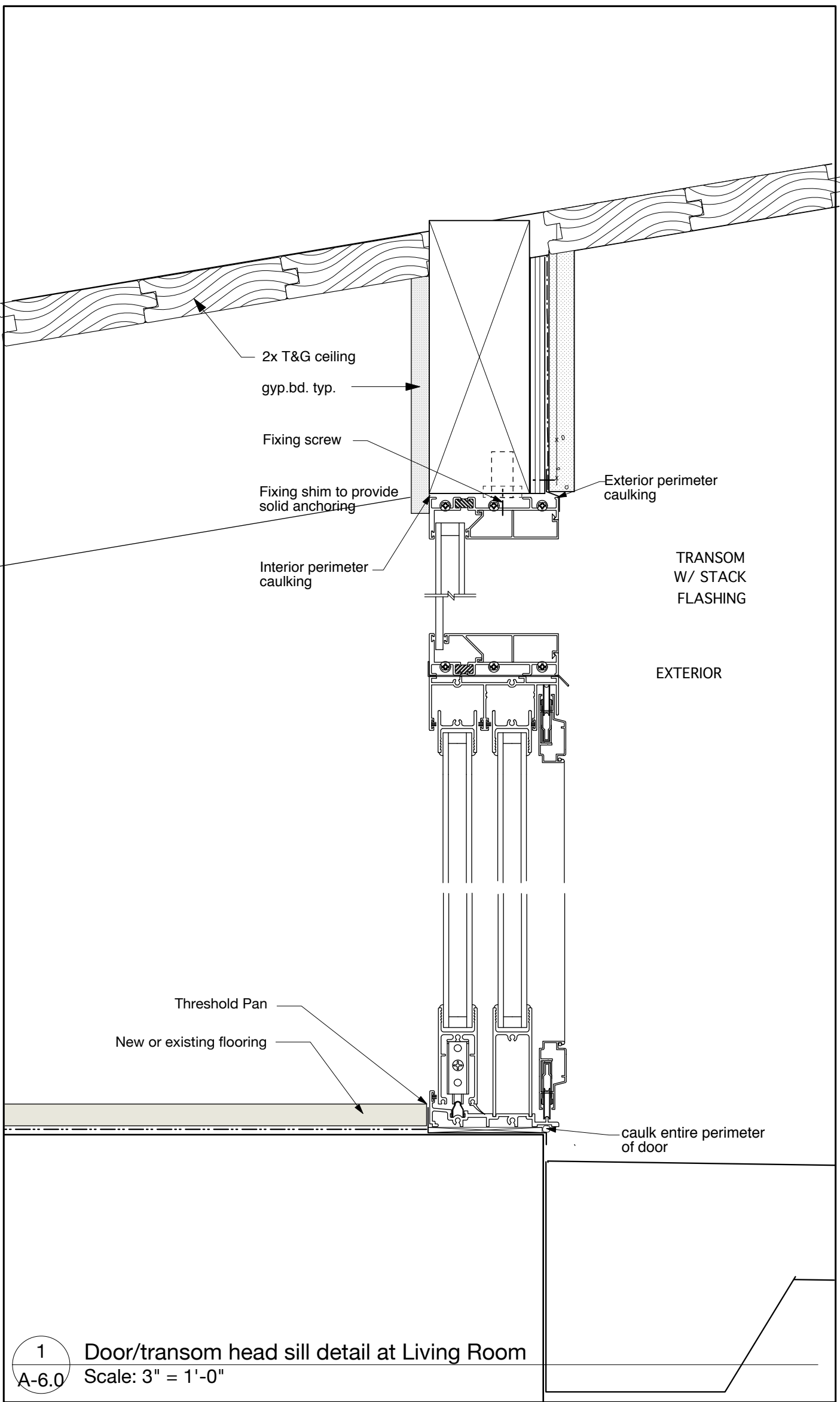


DOOR SCHEDULE NOTE: Doors are 'Fleetwood 3000'

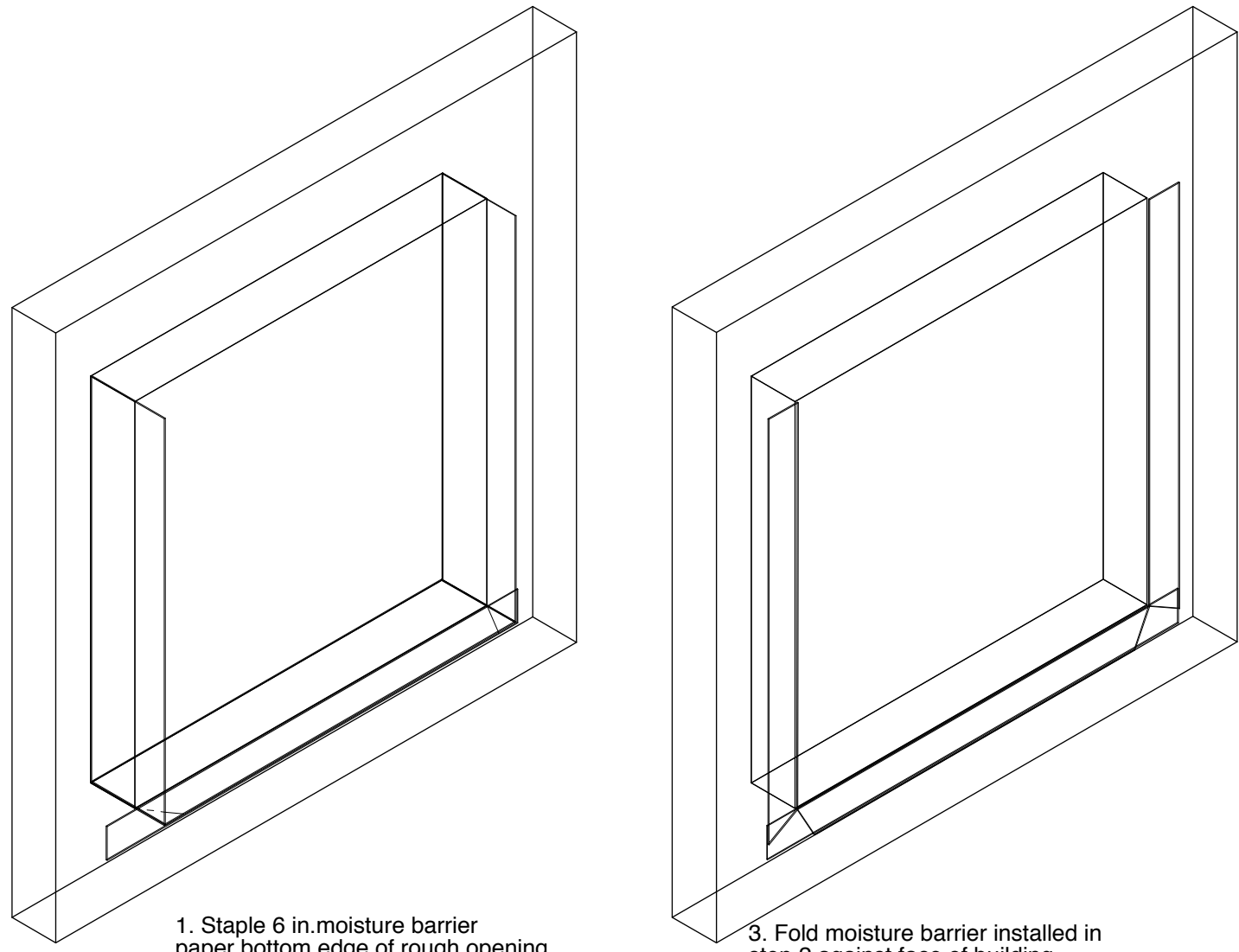
| | | |
|-----------------|------------------------|------------------------|
| Symbol/ Amt. | 1.01, 1 pair | 1.02, 2 Pairs |
| Size/Thickness | 6'-0" x 7'-0" Verify | 11'-8" x 8'-0" |
| Oper. Type | Sliding Doors | Sliding Doors |
| Door Type | Aluminum | Aluminum |
| Type Frame | Aluminum | Aluminum |
| Hardware/screen | see owner for hardware | see owner for hardware |
| Glazing | Temp. double glazed | Temp. double glazed |
| Location | Dining Room | Living Room |

WINDOW SCHEDULE NOTE: Transom Windows are 'Fleetwood 3800-T'

| | | | |
|-------------------|-------------------------|--------------------------|------------------------------|
| Symbol / Amt. | 1.01, 1 transom window | 1.02, 2 transom windows | 1.03, 1 |
| Size | 6'-0" x3'-2 1/2" verify | 11'-8" x3'-2 1/2" verify | 10'-1 1/2" x2'-2 1/2" verify |
| Oper. type | Fixed | Fixed | Fixed |
| Glazing | dual glazed, temp. | dual glazed, temp. | dual glazed, temp. |
| Frame type | Aluminum | Aluminum | Aluminum |
| Hareware / screen | N/A | N/A | N/A |
| Local | Dining Room | Living Room | Dining Room |



1 Door/transom head sill detail at Living Room
A-6.0 Scale: 3" = 1'-0"

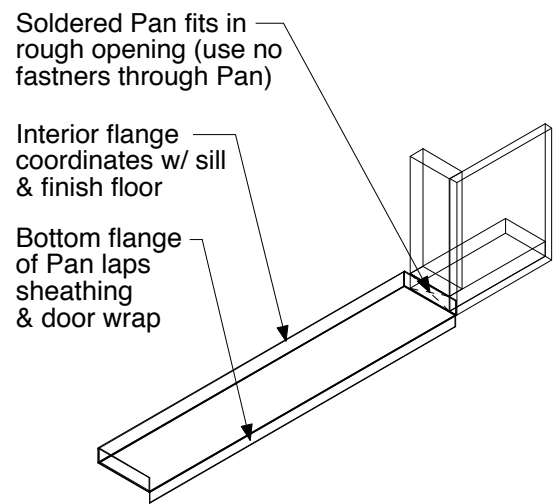


1. Staple 6 in.moisture barrier paper bottom edge of rough opening & extending 6in. to ea. side.

2. Staple Moisture barrier, which extends 6 in. past buildings face, around framing @ bottom of rough opening, cut as shown.

3. Fold moisture barrier installed in step 2 against face of building.

4 Repeat steps 2 & 3 but for upper part of rough opening.



WINDOW WRAP

MOISTURE BARRIER = 60 MIL (MIN.) SELF- ADHESIVE BITATHANE

THRESHOLD PAN

- a) **Lighting in Bathrooms:** All lighting shall be high efficacy and at least one fixture in each bathroom shall be controlled by a vacancy sensor. California Energy Code 15010.9.
- b) **Lighting in Garages, Laundry Rooms, Closets and Utility rooms:** All lighting shall be high efficacy and at least one light fixture installed in Garages, Closets, Laundry Rooms, & Utility rooms shall be controlled by a vacancy sensor. California Energy Code 15010.9.
- c) **Recessed Luminaires in Insulated Ceilings:** Luminaires recessed into insulated ceilings shall contain screw bases that shall be approved for zero glare and zero glare enclosure (ZGE) by U.L. or other testing lab recognized by Building Official, and shall be certified air tight to show air leakage less than 2.0 CFM at 0.11 ps in accordance with ASTM E283, and shall be listed as such by a UL approved testing agency. California Energy Code 15010.9.
- d) **Screw Based Sockets:** Luminaires with screw based sockets shall meet the following requirements:
 - i) The luminaire shall not be a recessed down-light in a ceiling; and
 - ii) The luminaire shall contain lamps that comply with Reference Joint Appendix JA8; and
 - iii) The luminaire shall be marked with "JA8-2016" or "JA8-2016-E" as specified in Reference Joint Appendix JA8.
- e) **Dimmers or vacancy sensors** shall control all luminaires required to have light sources compliant with Reference Joint Appendix JA8.
- f) **Outdoor Lighting:** Permanently installed outdoor lights on buildings on the same lot shall comply with the High Efficacy and Sensor Lighting requirements of Reference Joint Appendix JA8. California Energy Code 15010.9 A.

The following lamps are light sources are high efficacy if they are Joint Appendix JA8-certified. JA-8 certified lamps and light sources are marked as "JA8-2016" or "JA8-2016-E". These fixtures include: LED luminaires with integral sources that are certified to the Energy Commission, screw-based LED lamps (A-lamps, PAR lamps, etc.), pin-based LED lamps (MR-16, AR-111, etc.), GU-24 based LED light sources and other luminaires.

(Note: Listing of CA certified fixtures is located on the California Energy Commission website at the following hyperlink: <http://appliances.energy.ca.gov/advancedsearch.aspx>.)

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